Jitendra Kumar Chaudhary

Pre Final Year Undergraduate

Computer Science and Engineering

Indian Institute of Technology ,Jodhpur(India)

+91 9610840149

home.iitj.ac.in/~jitendrachaudhary

jitendrachaudhary@iitj.ac.in

Objective

To acquire further knowledge of computer science theory and practices through under-graduate level research to enhance my contributions to origination and research.

Area of Interest

- Algorithm Design
- Computer Network
- Virtualization & Security
- Web Technology

Academic Profile

Year	Degree/Certificate	Institute / School	CPI / %
2011–15	B. Tech Computer Science and Engineering	Indian Institute of Technology, Jodhpur	8.0/ 10
2010	Class XII-RBSE, Ajmer	Modern Se. Sec. School , Khairthal(Alwar)	87.85 %
2008	Class X- RBSE, Ajmer	Govt. Se. Sec. School, Harsauli (Alwar)	89.33 %

Projects and Trainings

- ➢ **Microprocessor based automatic door opener**   [Guide: Prof. K. R. Chowdhary, IIT Jodhpur,Sept.'13 –Nov.'13]
  - Programmed Microprocessor based automatic door opener using microprogramming.
  - Received an input signal from sensor and correspondingly performs the desired actions to open the gate.
- ➢ **Data Compression algorithm & Software**   [Guide: Dr. Anupam Gupta ,Asst. Prof. ,IIT Jodhpur, May'13-july'13]
  - Developed algorithm that optimized the LZ77 data compression algorithm up to 2-3% more efficiently.
  - To prove the algorithm's efficiency, developed data compression software in Java.
- ➢ **Switching of Graphs**   [Guide: Dr. Bibhas Adhikari ,Asst. Prof. ,IIT Jodhpur ,Feb'13– Apr.'-13]
  - Project involves generating the different switched output for a connected graph using an adjacency matrix.
  - Output is verified using Matlab. Developed algorithm for finding the unitary matrix of the input graph.
- ➢ **Web Development**   [Web Head ,IGNUS'13, IIT Jodhpur ,Nov.' 12 – Aug.'13]
  - Developed hack-free websites for the inter college Fest IGNUS'13 and Varchas'13.
  - Created a server-client based chatting & sharing application using HTML, CSS, PHP and JavaScript.
- ➢ **Object Oriented 2D Game Development**   [Guide: Dr. Anupam Gupta ,Asst. Prof. ,IIT Jodhpur, May'12-July'12]
  - Project to develop an attractive fun game with a cool GUI in Java using time Scheduling algorithms.
- ➢ **Summer Trainee**   [Eduxtree.com, May 13 – July 13(3 month)]
  - Comprehensive internship experience with database and designed web application in PHP and JavaScript.
  - Developed notification and search application, gained some industrial work experience.

Publication

JITENDRA CHAUDHARY and HEMRAJ KUMAWAT, 2013. **OPTIMIZATION OF LZ77 DATA COMPRESSION ALGORITHM.** International Journal of Computer Engineering & Technology (IJCET).Volume:4, Issue: 5, Pages: 42-48.

Skills and Expertise

Programming Languages	Assembly language(8085), C ,Java
Web Programming Languages	HTML 5, CSS, JavaScript ,PHP, MySQL
IT Tools and IDE	Latex, Eclipse, Net beans
Languages	English, Hindi (native) , French (Elementary)

Experience and Positions of Responsibility

- ➢ **Head Workshop**   [IGNUS'14,Sept.' 13–Present]
  - Responsible for conducting the technical workshops during the inter collage festival.
- ➢ **Club Coordinator**   [Web Development Club ,April 12 – May 13]
  - Coordinated, Guided and Mentored a team of 2 Club coordinators and 20+ members.
  - Taken workshops and lectures on web programming and server scripting.
- ➢ **Coordinator, Village Development Vertical.**   [Parivartan, IIT Jodhpur, July'12-June'13]
  - Responsible for smooth visiting and activity of **PARIVARTAN** (a social initiative of IIT Jodhpur) team.

Relevant Courses

Cloud Computing	Object Oriented Software Design
Computer Network	Advance Algorithms
Computer Origination	Operating System

Extracurricular

- Winner of X-octet Programming Club event Nimble 2k12, IIT Jodhpur.
- Organized a Health Camp for indigent people in PARIVARTAN.
- Member of District level 1st prize winner football team at school standard.